

Patent Abstracts of Japan

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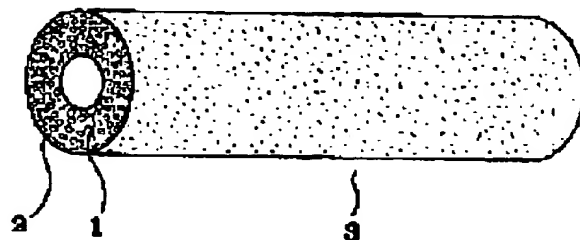
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TITLE : SINTERED FILTER AND ITS
PRODUCTION



ABSTRACT : PURPOSE: To prepare the sintered filter hardly causing the clogging of a filter layer and excellent in back washing regenerative property and to provide its production method.

CONSTITUTION: The metal powder obtained by means of an atomizing method is packed in a molding tool and formed cylindrically by a hydrostatic press. After releasing an obtained cylindrical compact from the tool, the compact is sintered to form a porous cylindrical body, and used as a base filter layer 1. The atomized metal powder having smaller grain size than the usual atomized metal powder is dispersed in a binder resin solution to form a slurry, and the slurry is applied to the outer peripheral side of the base filter layer 1 and dried to form a skin filter layer 2. The adjustments of the smoothing and thickness on the surface of the skin filter layer 2 are executed by a scraper. Then, after burning and removing the resin content in the skin filter layer 2, the body is sintered under a hydrogen atmosphere to produce the sintered filter 3.

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